|   | Index of Claims |          |            |            |               |          |           |          |         |                             |          |          |                 |          | Application/Control No. |          |                              |                      |              |           |                |            |              |                   | Applicant(s)/Patent under<br>Reexamination |                 |          |          |           |   |  |  |
|---|-----------------|----------|------------|------------|---------------|----------|-----------|----------|---------|-----------------------------|----------|----------|-----------------|----------|-------------------------|----------|------------------------------|----------------------|--------------|-----------|----------------|------------|--------------|-------------------|--|-----------------|----------|----------|-----------|---|--|--|
|   |                 |          |            |            |               |          |           |          |         | H                           |          |          |                 | 1        | 10/625,467              |          |                              |                      |              |           |                |            |              | GRAF ET AL        |  |                 |          |          |           |   |  |  |
|   |                 |          |            |            |               |          |           |          |         |                             |          |          |                 |          | Examiner                |          |                              |                      |              |           |                |            | T            | Art Unit          |  |                 |          |          |           |   |  |  |
|   |                 |          |            |            |               |          |           |          |         |                             |          |          |                 | ١,       | Ted Kim                 |          |                              |                      |              |           |                |            |              |                   | 3746                                       |                 |          |          |           |   |  |  |
|   |                 |          |            |            |               |          |           |          |         |                             |          |          |                 |          |                         |          |                              |                      |              |           |                |            |              |                   |  |                 |          |          |           |   |  |  |
|   | √ Rejected      |          |            |            |               |          |           | -        |         | (Through numer<br>Cancelled |          |          | ral             | ral)     |                         | N        | Non-Elected                  |                      |              |           | A              | Appeal     |              |                   |  |                 |          |          |           |   |  |  |
|   |                 |          | =          | Allowed    |               |          |           | •        |         | Restricted                  |          |          |                 |          |                         |          |                              | Interference         |              |           | ice            |            | 0            | Objected          |  |                 |          |          |           |   |  |  |
| , |                 | Claim    |            |            |               |          | L         |          |         | Claim                       |          |          |                 | Date     |                         |          | <u></u>                      |                      |              | 7         | Claim          |            |              | Date              |  |                 |          |          | _         |   |  |  |
|   | Claim           |          |            |            |               | Date     | <u> </u>  | Т        | Н       | Claim                       |          |          | Т               |          |                         |          |                              |                      |              |           |                |            | Uale         |                   |  |                 | Т        | П        |           |   |  |  |
|   | Final           | Original | 19/0       |            |               |          |           |          |         |                             | Final    | Original |                 |          |                         |          |                              |                      |              |           | Final          | Original   |              |                   |  |                 | 1        |          |           |   |  |  |
|   |                 |          | d          | Н          |               | $\sqcup$ | $\dashv$  | -        | +       | F                           | $\dashv$ | 51       | +               | ╀        | ╀                       | Н        | $\dashv$                     | +                    | +            | ┨╶        | $\vdash$       | 101        | $\vdash$     | ╬                 | +  | $\vdash \vdash$ | ╅        | ╁        | Н         |   |  |  |
|   |                 | ⊖∾       | 1          |            | $\pm$         |          | 1         | 士        |         | E                           | 士        | 52       |                 | 土        |                         |          |                              | 士                    | 1            | ╛         |                | 102        | 口            | ユ                 |  | 口               | 1        | 丰        | 口         |   |  |  |
|   |                 | 3        | $\prod$    |            | $\perp$       | П        | $\dashv$  | $\mp$    | $\Box$  | L                           | _        | 53<br>54 | _               | 1        | +                       | Н        | -                            | +                    | +            | ┨         | ┞—             | 103<br>104 | H            | +                 | ╀  | H               | +        | ╁        | Н         |   |  |  |
|   | -               | 4        | ╫          | $\vdash +$ | +-            | Н        | $\dashv$  | +        | H       | -                           |          | 55       | $\dashv$        | 十        | $\dagger$               | Н        |                              | 士                    | +            | _         |                | 105        |              | 土                 |  |                 | 1        |          | 口         |   |  |  |
|   |                 | 8        | ፗ          |            | $\perp$       |          | コ         | 1        |         |                             |          | 56       |                 | T        | $\bot$                  |          |                              | 7                    | 1            | ]         |                | 106        |              | 4                 | $\perp$                                    | П               | 4        | $\bot$   | Н         |   |  |  |
|   | <u> </u>        | 7<br>8   | #          | Н          | +             | +        |           | -        | +       | ⊢                           | $\dashv$ | 57<br>58 | $\dashv$        | +        | +                       | $\vdash$ | $\dashv$                     | +                    | +            | ┨         | $\vdash\vdash$ | 107<br>108 | ┼┤           | +                 | ╁  | $\vdash$        | ╁        | ╫        | Н         |   |  |  |
|   | $\vdash$        | 9        | ╫╴         | H          | ╅             | Н        | $\dashv$  | ╁        | +       | ┝                           | $\dashv$ | 59       | $\vdash$        | 十        | +                       | H        |                              | 十                    | 十            | 1         |                | 109        | П            | $\top$            |  | ⇈               | $\Box$   | T        | 口         |   |  |  |
|   |                 | 10       |            |            |               | 口        |           | I        |         |                             |          | 60       |                 | 1        |                         |          |                              | $\Box$               | 1            | 7         |                | 110        |              | $\blacksquare$    | 1  | П               | 1        | +        | Ц         |   |  |  |
|   |                 | 11       | y          |            | 4             | Н        |           | +        | $\bot$  | F                           | _        | 61<br>62 | $\vdash$        | -        | +                       | ╁        | $\vdash$                     | -+                   | +            | 4         |                | 111        | $\vdash$     | +                 | ╫  | ╂               | +        | +        | Н         |   |  |  |
|   | ⊢               | 12       | ╀╌         | ╌┼         | ╁             | Н        | $\dashv$  | +        | +       | F                           | _        | 63       | ╁               | 十        | 十                       | $\vdash$ | H                            | 十                    | 十            | ┨         |                | 113        | $\vdash$     | 十                 | +  | П               | $\perp$  | 上        |           |   |  |  |
|   |                 | 14       |            | 廿          | 上             | Ħ        |           | 土        | 上       | L                           |          | 64       |                 |          | 1                       |          |                              | コ                    | 工            | ]         |                | 114        |              | 4                 | I  | П               | 7        | 1        | П         |   |  |  |
| • |                 | 15       | lacksquare | Ц          |               |          | $\dashv$  | 1        | $\perp$ | L                           | _        | 65       | $\vdash$        | 4        | +                       | $\vdash$ | Н                            | +                    | +            | 4         | <u> </u>       | 115<br>116 | $\vdash$     | $\dashv$          | ╁╌   | Н               | +        | ╁        | Н         |   |  |  |
|   | ├               | 16<br>17 | ╁╌         | Н          | +             | Н        | $\dashv$  |          | ┿       | -                           | _        | 66<br>67 | ┝┼              | +        | ╁                       | H        | $\vdash \vdash$              | ┪                    | ╁            | $\dashv$  | <u> </u>       | 117        | Н            | $\dashv$          | 十  | Н               | ╅        | +        | H         |   |  |  |
|   | -               | 18       | ╁╌         | Н          | ╅             | Н        |           | 十        | ╅       |                             |          | 68       | $\Box$          |          |                         |          |                              | 士                    | 1            |           |                | 118        |              |                   | 工  |                 | $\Box$   |          | $\square$ |   |  |  |
| × |                 | 19       |            | 口          | 1             |          |           | $\Box$   |         |                             |          | 69       | П               | T        | T                       |          |                              | $\Box$               | $\downarrow$ | 7         |                | 119        |              | 4                 | 4  | ╀┦              | +        | -        | $\vdash$  |   |  |  |
|   | <u> </u>        | 20       | ╀          | ┦          | +             | +        | $\square$ | +        | +-      | -                           |          | 70<br>71 | Н               | +        | +                       | $\vdash$ | $\left  \cdot \cdot \right $ | $\dashv$             | ╬            | ┨         | $\vdash$       | 120<br>121 | $\vdash$     | $\dashv$          | ┿  | $\vdash$        | +        | +        | Н         |   |  |  |
|   | $\vdash$        | 21<br>22 | ╀          | $\vdash$   | 十             | +        | $\vdash$  | +        | ╁       | ▎┝                          |          | 72       | Н               | ╅        | ╁╴                      | 1        | H                            | 十                    | 十            | 7         | $\vdash$       | 122        |              |                   | 士  | $\Box$          | 士        |          | 口         |   |  |  |
|   | <b>—</b>        | 23       | ╈          |            | 1             |          |           | 工        | 1_      |                             |          | 73       |                 |          |                         |          |                              | コ                    | $\Box$       |           |                | 123        |              |                   | Ţ  | $\Box$          | $\dashv$ |          | П         |   |  |  |
|   |                 | 24       | _          |            | ightharpoonup |          | П         | $\perp$  | Ι.      | ΙĘ                          |          | 74       |                 | $\perp$  | 4_                      | ┺        | Ш                            | -                    | 4            | 4         | <u> </u>       | 124<br>125 |              | -                 | 4-   | ┦┦              | +        | 4        | Н         |   |  |  |
|   | $\vdash$        | 25<br>26 |            | Н          | +             | ╀        | Н         | +        | +       | <b>│</b> ├                  |          | 75<br>76 | $\vdash$        | +        | ╁                       | ╁        | Н                            | ᅱ                    | ╌            | $\dashv$  | $\vdash$       | 126        |              | +                 | ╁  | H               | 十        | Ť        | +         |   |  |  |
|   | $\vdash$        | 27       | 十          | H          | 十             | +-       | H         | +        | 十       | ▎├                          |          | 77       | П               | 士        | +                       |          |                              | コ                    |              |           |                | 127        | $\mathbf{I}$ |                   |  |                 |          |          |           |   |  |  |
|   |                 | 28       |            |            |               |          |           |          | Ι       |                             |          | 78       |                 | I        | $\perp$                 | I        |                              | $\dashv$             | $\dashv$     | 4         |                | 128        |              | $\Box$            | 1  | Н               | -        |          | $\vdash$  |   |  |  |
|   |                 | 29<br>30 |            | $\vdash$   | -             | +        | Н         |          | +       | ▎├                          |          | 79<br>80 | -               | +        | +-                      | ╀        | Н                            | $\dashv$             | +            | $\dashv$  | -              | 129        |              | $\vdash$          | +  | Н               | -        | +        | ╁╌┤       | - |  |  |
|   | $\vdash$        | 31       |            | ┨          | +             | +        | H         | $\dashv$ | 1       | ╽┝                          |          | 81       | ╁               | $\dashv$ | 十                       | 十        | Н                            | $\dashv$             | $\top$       | _         |                | 131        |              |                   | 士  |                 | 土        |          | П         |   |  |  |
|   |                 | 32       | T          | П          |               | 上        |           |          |         |                             |          | 82       | $\Box$          | 1        | 1                       |          |                              | $\Box$               | $\Box$       | ]         |                | 132        |              | $\Box$            | $\perp$                                    | П               | $\Box$   |          |           |   |  |  |
|   |                 | 33       |            |            | 1             | $\perp$  | $\square$ | -        | 4-      | <b>∤</b>                    |          | 83<br>84 | Н               | +        | +                       | ╄        | Н                            | $\dashv$             | $\dashv$     | 4         | _              | 133<br>134 | _            | $\vdash$          | ┿  | ╀┨              | ┰        | +        | Н         |   |  |  |
|   | $\vdash$        | 34<br>35 | _          | ╂╌╂        | +             | ╁        | Н         | +        | ╁╴      | ╽┠                          |          | 85       | ╁               | ┰        | ╁                       | ╁        | Н                            | ┪                    | $\dashv$     | ┨         | <u> </u>       | 135        |              | H                 | +  | H               |          | 士        |           |   |  |  |
|   | <b></b>         | 36       |            |            | 1             |          |           | I        |         |                             |          | 86       |                 |          |                         |          |                              |                      | 工            | ]         |                | 136        |              | $\Box$            |  | П               | $\Box$   | Т        | $\Box$    |   |  |  |
|   |                 | 37       |            | П          | _             | F        | Ц         | $\perp$  | 1       |                             |          | 87       | $\sqcup$        | +        | -                       | ╄        | $\sqcup$                     | $\dashv$             | +            | 4         | $\vdash$       | 137        |              | $\vdash$          | ┿  | ╁┤              | $\dashv$ |          | $\vdash$  |   |  |  |
|   | $\vdash$        | 38<br>39 | _          | H          | ╬             | +        | $\vdash$  | +        | ╬       | ┨┝                          |          | 88<br>89 | +               | +        | +                       | ╁        | Н                            | $\dashv$             | $\dashv$     | $\dashv$  | $\vdash$       | 139        |              | H                 | +  | Н               | $\dashv$ | +        | H         |   |  |  |
|   | -               | 40       |            | Н          | ╅             | 十        | Н         | +        | 十       | 1                           |          | 90       |                 |          |                         |          |                              |                      |              | ]         |                | 140        |              |                   |  | $\Box$          |          | 工        |           |   |  |  |
|   |                 | 41       | I          | П          | $\perp$       | L        | 口         | $\Box$   | $\perp$ | ļ                           |          | 91       |                 | $\bot$   | $\perp$                 | F        | $\Box$                       | $\Box$               | -            | 4         | <u> </u>       | 141        |              | ┝╌┼               | +  | ╬┤              | -+       | +        | ╁┤        |   |  |  |
|   | -               | 42       |            | ╀┤         | +             | ╀        | ┝┤        | +        | +-      | <b>∤</b> ├                  | _        | 92<br>93 | $\vdash \vdash$ | +        | ╁                       | ╁        | H                            | $\vdash$             | $\dashv$     | $\dashv$  | -              | 143        |              | $\vdash \uparrow$ | 十  | $\forall$       | $\dashv$ | +        | +         | ŀ |  |  |
| ] | -               | 44       |            | ⇈          | +             | 十        | H         | +        | 十       |                             |          | 94       |                 | _†       | 士                       | $\pm$    | H                            |                      | 士            | J         |                | 144        |              |                   | 工  | 口               |          | 工        |           |   |  |  |
| 1 |                 | 45       |            | 口          | 1             | 工        |           | $\Box$   | T       | 1 [                         |          | 95       | П               | $\Box$   | Ţ                       | Г        | П                            | Д                    | Ţ            | $\exists$ |                | 145        |              | $\sqcup$          |  | $\Box$          |          | +        | +         |   |  |  |
|   | <u> </u>        | 46       |            | $\sqcup$   | +             | +        | $\vdash$  | $\vdash$ | +       | {  }                        | _        | 96<br>97 | ┾┤              | $\dashv$ | +                       | +        | $\vdash$                     | ${oldsymbol{ec{H}}}$ | +            | $\dashv$  | <b>-</b>       | 146        |              | H                 | +  | H               | -+       | $\dashv$ | +         |   |  |  |
|   | -               | 48       |            | Н          | 十             | +        | Н         | +        | 十       | 1 F                         |          | 98       | +               | +        | 十                       | T        | T                            | H                    | _            | 7         |                | 148        |              | 口                 | 土  | I               |          |          |           | [ |  |  |
|   |                 | 49       |            | 凵          | 士             | 土        |           |          |         | 1 t                         |          | 99       | П               |          | I                       |          |                              |                      | $\Box$       | $\Box$    |                | 149        |              | П                 | Ţ  | $\Box$          | П        | $\bot$   | $\Box$    |   |  |  |
| 1 |                 | 50       | Γ          |            |               |          |           |          |         | J [                         |          | 100      |                 | $\perp$  | 丄                       |          |                              | Ш                    |              | ┛         |                | 150        | Ц_           | $\Box \bot$       |  |                 | Ш        | ㅗ        |           | J |  |  |